



PCT

RAW SEQUENCE LISTING

DATE: 08/24/2004

PATENT APPLICATION: US/10/019,151B

TIME: 12:32:24

Input Set : A:\KATO Sequence Listing.txt

Output Set: N:\CRF4\08242004\J019151B.raw

3 <110> APPLICANT: KATO, Seishi
 4 KIMURA, Tomoko
 6 <120> TITLE OF INVENTION: Human proteins having hydrophobic domains and DNAs encoding these proteins
 8 <130> FILE REFERENCE: 2003-0984/WMC/01791
 10 <140> CURRENT APPLICATION NUMBER: 10/019,151B
 C--> 11 <141> CURRENT FILING DATE: 2001-12-21
 W--> 11 <151> PRIOR FILING DATE: 2002-08-20
 13 <150> PRIOR APPLICATION NUMBER: PCT/JP00/03944
 14 <151> PRIOR FILING DATE: 2000-06-16
 16 <150> PRIOR APPLICATION NUMBER: JP 11-178065
 17 <151> PRIOR FILING DATE: 1999-06-24
 19 <160> NUMBER OF SEQ ID NOS: 24
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 22 <211> LENGTH: 238
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1
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 28 1 5 10 15
 30 Leu Ser Glu Ile Asn Ile Ala Pro Arg Ile Leu Thr Asn Phe Thr Gly
 31 20 25 30
 33 Val Met Pro Pro Gln Phe Lys Lys Asp Leu Asp Ser Tyr Leu Lys Thr
 34 35 40 45
 36 Arg Ser Pro Val Thr Phe Leu Ser Asp Leu Arg Ser Asn Leu Gln Val
 37 50 55 60
 39 Ser Asn Glu Pro Gly Asn Arg Tyr Asn Leu Gln Leu Ile Asn Ala Leu
 40 65 70 75 80
 42 Val Leu Tyr Val Gly Thr Gln Ala Ile Ala His Ile His Asn Lys Gly
 43 85 90 95
 45 Ser Thr Pro Ser Met Ser Thr Ile Thr His Ser Ala His Met Asp Ile
 46 100 105 110
 48 Phe Gln Asn Leu Ala Val Asp Leu Asp Thr Glu Gly Arg Tyr Leu Phe
 49 115 120 125
 51 Leu Asn Ala Ile Ala Asn Gln Leu Arg Tyr Pro Asn Ser His Thr His
 52 130 135 140
 54 Tyr Phe Ser Cys Thr Met Leu Tyr Leu Phe Ala Glu Ala Asn Thr Glu
 55 145 150 155 160
 57 Ala Ile Gln Glu Gln Ile Thr Arg Val Leu Leu Glu Arg Leu Ile Val
 58 165 170 175
 60 Asn Arg Pro His Pro Trp Gly Leu Leu Ile Thr Phe Ile Glu Leu Ile
 61 180 185 190
 63 Lys Asn Pro Ala Phe Lys Phe Trp Asn His Glu Phe Val His Cys Ala
 64 195 200 205

ENTERED

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66 Pro Glu Ile Glu Lys Leu Phe Gln Ser Val Ala Gln Cys Cys Met Gly
67      210                      215                      220
69 Gln Lys Gln Ala Gln Gln Val Met Glu Gly Thr Gly Ala Ser
70 225                      230                      235
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 339
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 2
79 Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Tyr Cys Leu Leu Leu
80 1      5      10      15
82 Gly Leu His Leu Phe Leu Leu Thr Ala Gly Pro Ala Leu Gly Trp Asn
83      20      25      30
85 Asp Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu Thr Leu His
86      35      40      45
88 Tyr Asp Arg Tyr Thr Thr Ser Arg Arg Leu Asp Pro Ile Pro Gln Leu
89      50      55      60
91 Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser Tyr Thr Pro Lys Val
92 65      70      75      80
94 Ile Gln Cys Gln Asn Lys Gly Trp Asp Gly Tyr Asp Val Gln Trp Glu
95      85      90      95
97 Cys Lys Thr Asp Leu Asp Ile Ala Tyr Lys Phe Gly Lys Thr Val Val
98      100      105      110
100 Ser Cys Glu Gly Tyr Glu Ser Ser Glu Asp Gln Tyr Val Leu Arg Gly
101      115      120      125
103 Ser Cys Gly Leu Glu Tyr Asn Leu Asp Tyr Thr Glu Leu Gly Leu Gln
104      130      135      140
106 Lys Leu Lys Glu Ser Gly Lys Gln His Gly Phe Ala Ser Phe Ser Asp
107 145      150      155      160
109 Tyr Tyr Tyr Lys Trp Ser Ser Ala Asp Ser Cys Asn Met Ser Gly Leu
110      165      170      175
112 Ile Thr Ile Val Val Leu Leu Gly Ile Ala Phe Val Val Tyr Lys Leu
113      180      185      190
115 Phe Leu Ser Asp Gly Gln Tyr Ser Pro Pro Pro Tyr Ser Glu Tyr Pro
116      195      200      205
118 Pro Phe Ser His Arg Tyr Gln Arg Phe Thr Asn Ser Ala Gly Pro Pro
119      210      215      220
121 Pro Pro Gly Phe Lys Ser Glu Phe Thr Gly Pro Gln Asn Thr Gly His
122 225      230      235      240
124 Gly Ala Thr Ser Gly Phe Gly Ser Ala Phe Thr Gly Gln Gln Gly Tyr
125      245      250      255
127 Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly Gly Ile
128      260      265      270
130 Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala Ala Thr Pro Phe Ser Asp
131      275      280      285
133 Ser Trp Tyr Tyr Pro Ser Tyr Pro Pro Ser Tyr Pro Gly Thr Trp Asn
134      290      295      300
136 Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly Ser Tyr Ser Val Cys
137 305      310      315      320

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139 Ser Asn Ser Asp Thr Lys Thr Arg Thr Ala Ser Gly Tyr Gly Gly Thr
140           325           330           335
142 Arg Arg Arg
145 <210> SEQ ID NO: 3
146 <211> LENGTH: 326
147 <212> TYPE: PRT
148 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 3
151 Met Ala Lys Met Glu Leu Ser Lys Ala Phe Ser Gly Gln Arg Thr Leu
152   1           5           10           15
154 Leu Ser Ala Ile Leu Ser Met Leu Ser Leu Ser Phe Ser Thr Thr Ser
155           20           25           30
157 Leu Leu Ser Asn Tyr Trp Phe Val Gly Thr Gln Lys Val Pro Lys Pro
158           35           40           45
160 Leu Cys Glu Lys Gly Leu Ala Ala Lys Cys Phe Asp Met Pro Val Ser
161           50           55           60
163 Leu Asp Gly Asp Thr Asn Thr Ser Thr Gln Glu Val Val Gln Tyr Asn
164   65           70           75           80
166 Trp Glu Thr Gly Asp Asp Arg Phe Ser Phe Arg Ser Phe Arg Ser Gly
167           85           90           95
169 Met Trp Leu Ser Cys Glu Glu Thr Val Glu Glu Pro Gly Glu Arg Cys
170           100          105          110
172 Arg Ser Phe Ile Glu Leu Thr Pro Pro Ala Lys Arg Glu Ile Leu Trp
173           115          120          125
175 Leu Ser Leu Gly Thr Gln Ile Thr Tyr Ile Gly Leu Gln Phe Ile Ser
176           130          135          140
178 Phe Leu Leu Leu Leu Thr Asp Leu Leu Leu Thr Gly Asn Pro Ala Cys
179 145           150          155          160
181 Gly Leu Lys Leu Ser Ala Phe Ala Ala Val Ser Ser Val Leu Ser Gly
182           165          170          175
184 Leu Leu Gly Met Val Ala His Met Met Tyr Ser Gln Val Phe Gln Ala
185           180          185          190
187 Thr Val Asn Leu Gly Pro Glu Asp Trp Arg Pro His Val Trp Asn Tyr
188           195          200          205
190 Gly Trp Ala Phe Tyr Met Ala Trp Leu Ser Phe Thr Cys Cys Met Ala
191           210          215          220
193 Ser Ala Val Thr Thr Phe Asn Thr Tyr Thr Arg Met Val Leu Glu Phe
194 225           230          235          240
196 Lys Cys Lys His Ser Lys Ser Phe Lys Glu Asn Pro Asn Cys Leu Pro
197           245          250          255
199 His His His Gln Cys Phe Pro Arg Arg Leu Ser Ser Ala Ala Pro Thr
200           260          265          270
202 Val Gly Pro Leu Thr Ser Tyr His Gln Tyr His Asn Gln Pro Ile His
203           275          280          285
205 Ser Val Ser Glu Gly Val Asp Phe Tyr Ser Glu Leu Arg Asn Lys Gly
206           290          295          300
208 Phe Gln Arg Gly Ala Ser Gln Glu Leu Lys Glu Ala Val Arg Ser Ser
209 305           310          315          320
211 Val Glu Glu Glu Gln Cys

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212                               325
214 <210> SEQ ID NO: 4
215 <211> LENGTH: 324
216 <212> TYPE: PRT
217 <213> ORGANISM: Homo sapiens
219 <400> SEQUENCE: 4
220 Met Ala Ala Ala Ala Pro Gly Asn Gly Arg Ala Ser Ala Pro Arg Leu
221   1                               5                               10                               15
223 Leu Leu Leu Phe Leu Val Pro Leu Leu Trp Ala Pro Ala Ala Val Arg
224                               20                               25                               30
226 Ala Gly Pro Asp Glu Asp Leu Ser His Arg Asn Lys Glu Pro Pro Ala
227                               35                               40                               45
229 Pro Ala Gln Gln Leu Gln Pro Gln Pro Val Ala Val Gln Gly Pro Glu
230   50                               55                               60
232 Pro Ala Arg Val Glu Lys Ile Phe Thr Pro Ala Ala Pro Val His Thr
233   65                               70                               75                               80
235 Asn Lys Glu Asp Pro Ala Thr Gln Thr Asn Leu Gly Phe Ile His Ala
236                               85                               90                               95
238 Phe Val Ala Ala Ile Ser Val Ile Ile Val Ser Glu Leu Gly Asp Lys
239                               100                              105                              110
241 Thr Phe Phe Ile Ala Ala Ile Met Ala Met Arg Tyr Asn Arg Leu Thr
242                               115                              120                              125
244 Val Leu Ala Gly Ala Met Leu Ala Leu Gly Leu Met Thr Cys Leu Ser
245   130                              135                              140
247 Val Leu Phe Gly Tyr Ala Thr Thr Val Ile Pro Arg Val Tyr Thr Tyr
248 145                              150                              155                              160
250 Tyr Val Ser Thr Val Leu Phe Ala Ile Phe Gly Ile Arg Met Leu Arg
251                               165                              170                              175
253 Glu Gly Leu Lys Met Ser Pro Asp Glu Gly Gln Glu Glu Leu Glu Glu
254                               180                              185                              190
256 Val Gln Ala Glu Leu Lys Lys Lys Asp Glu Glu Phe Gln Arg Thr Lys
257   195                              200                              205
259 Leu Leu Asn Gly Pro Gly Asp Val Glu Thr Gly Thr Ser Ile Thr Val
260   210                              215                              220
262 Pro Gln Lys Lys Trp Leu His Phe Ile Ser Pro Ile Phe Val Gln Ala
263 225                              230                              235                              240
265 Leu Thr Leu Thr Phe Leu Ala Glu Trp Gly Asp Arg Ser Gln Leu Thr
266                               245                              250                              255
268 Thr Ile Val Leu Ala Ala Arg Glu Asp Pro Tyr Gly Val Ala Val Gly
269   260                              265                              270
271 Gly Thr Val Gly His Cys Leu Cys Thr Gly Leu Ala Val Ile Gly Gly
272   275                              280                              285
274 Arg Met Ile Ala Gln Lys Ile Ser Val Arg Thr Val Thr Ile Ile Gly
275   290                              295                              300
277 Gly Ile Val Phe Leu Ala Phe Ala Phe Ser Ala Leu Phe Ile Ser Pro
278 305                              310                              315                              320
281 Asp Ser Gly Phe
284 <210> SEQ ID NO: 5
285 <211> LENGTH: 153

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